Attorney Docket No.: 018563-004620US Client Reference No.: 9024.ALG.C2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

ELENA PAVLOVSKAIA et al.

Application No.: 10/670,162

Filed: September 23, 2003

For: EFFICIENT DATA

REPRESENTATION OF TEETH

MODEL

Confirmation No.: 2838

Examiner: Ayal I. Sharon

Art Unit: 2123

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT UNDER

37 CFR §1.97 and §1.98

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. Copies of the references, in compliance with the requirements of 37 CFR §1.98(a)(2), are enclosed.

It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR §1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no

Page 2

representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

This IDS is being filed before the mailing date of the final Office Action or Notice of Allowance.

Please charge the IDS fee of \$180 to Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

Date:

Michael T. Rosato

Reg. No. 52,182

TOWNSEND and TOWNSEND and CREW LLP

Two Embarcadero Center, Eighth Floor San Francisco, California 94111-3834

Tel: 206-467-9600 Fax: 206-623-6793

MTR:jms

61027370 v1

Sub	Substitute for form 1449A/PTO			Complete if Known		
				Application Number	10/670,162	
INFORMATION DISCLOSURE				Filing Date	September 23, 2003	
STATEMENT BY APPLICANT			CANT	First Named Inventor	PAVLOVSKAIA, ELENA	
				Art Unit	2123	
	(Use as many sheets as n	ecessar	y)	Examiner Name	Ayal I. Sharon	
Sheet	1	of	7	Attorney Docket Number	018563-004620US	

Evandana	1 64-		U.S. PATENT DO		Danie Onlineau Maria 1877
Examiner Initials*	Cite No.1	Document Number Number Kind Code ^{2 (Fknown)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US-3,407,500	10-29-1968	Kesling	
77. 14.4.1 1147	AB	US-3,600,808	08-24-1971	Reeve	
······································	AC	US-3,683,502	08-15-1972	Wallshein	- MARIE ARM - 1-7-1111/MT-1-1-111/MT-1/1/ARMA HAMBERHAND HAMMA-TAID I MILITERA
	AD	US-3,738,005	06-12-1973	Cohen	
	AE	US-3,922,786	12-02-1975	Lavin	
	AF	US-3,983,628	10-05-1976	Acevedo	
	AG	US-4,253,838	03-03-1981	Coles et al.	######################################
	АН	US-4,324,547	04-13-1982	Arcan et al.	
	Al	US-4,500,294	02-19-1985	Lewis	
	AJ	US-4,526,540	07-02-1985	Dellinger	
	AK	US-4,575,330	03-11-1986	Hull	**************************************
	AL	US-4,591,341	05-27-1986	Andrews	
	AM	US-4,609,349	09-02-1986	Cain	
	AN	US-4,664,626	05-12-1987	Kesling	
	AO	US-4,676,747	06-30-1987	Kesling	
	AP	US-4,836,778	06-06-1989	Baumrind et al.	
	AQ	US-4,850,865	07-25-1989	Napolitano	
-1	AR	US-4,877,398	10-31-1989	Kesling	
	AS	US-4,880,380	11-14-1989	Martz	от от в при на п
	ΑТ	US-4,889,238	12-26-1989	Batchelor	
	ΑU	US-4,890,608	01-02-1990	Steer	(1)
	ΑV	US-4,935,635	06-19-1990	O'Harra	
···	AW	US-4,941,826	07-17-1990	Loran et al.	
	AX	US-4,983,334	01-08-1991	Adell	
	AY	US-5,125,832	06-30-1992	Kesling	
	ΑZ	US-5,130,064	07-14-1992	Smalley	±.0.=1111)
	BA	US-5,145,364	09-08-1992	Martz et al.	in a' abh Marjann ann an Mead MhAn a' le Man A MM Nean ann a 17 ann a mheann ann Mheannann an air
	BB	US-5,176,517	01-05-1993	Truax	
	ВС	US-5,328,362	07-12-1994	Watson et al.	
	BD	US-5,440,326	08-08-1995	Quinn	
4— P) — AIII PI III III P	BE	US-5,528,735	06-18-1996	Strasnick et al.	
	BF	US-5,562,448	10-08-1996	Mushabac	
······································	BG	US-5,614,075	03-25-1997	Andre	
	ВН	US-5,621,648	04-15-1997	Crump	
	BI	US-5,645,420	07-08-1997	Bergersen	

Examiner	Date	
Signature	Considered	1
_	<u></u>	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. 61027370 v1

Substitute for form 1449A/PTO				Complete if Known			
				Application Number	10/670,162		
IN	FORMATION DIS	CLOSU	RE	Filing Date	September 23, 2003		
STATEMENT BY APPLICANT			NT	First Named Inventor	PAVLOVSKAIA, ELENA		
				Art Unit	2123		
	(Use as many sheets as necessary)			Examiner Name	Ayal I. Sharon		
Sheet	2	of 7		Attorney Docket Number	018563-004620US		

			U.S. PATENT DO		
Examiner Initials*	Cite No. ¹	Document Number Number Kind Code ^{2 (F known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	BJ	US-5,692,894	12-02-1997	Schwartz et al.	
	BK	US-5,725,376	03-10-1998	Poirier	
	BL	US-5,725,378	03-10-1998	Wang	
	ВМ	US-5,742,700	04-21-1998	Yoon et al.	
	BN	US-5,799,100	08-25-1998	Clarke et al.	
	ВО	US-5,800,174	09-01-1998	Andersson	
NAN	BP	US-5,823,778	10-20-1998	Schmitt et al.	——————————————————————————————————————
· · · · · · · · · · · · · · · · · · ·	BQ	US-5,848,115	12-08-1998	Little et al.	
	BR	US-5,857,853	01-12-1999	van Nifterick et al.	
	BS	US-5,866,058	02-02-1999	Batchelder et al.	
	ВТ	US-5,879,158	03-09-1999	Doyle et al.	
Maria	BU	US-5,880,961	03-09-1999	Crump	
	BV	US-5,880,962	03-09-1999	Andersson et al.	
	BW	US-5,934,288	08-10-1999	Avila et al.	1844 (MINISTER OF THE PROPERTY
	BX	US-5,957,686	09-28-1999	Anthony	
	BY	US-5,964,587	10-12-1999	Sato	
	BZ	US-5,971,754	10-26-1999	Sondhi et al.	
	CA	US-6,062,861	05-16-2000	Andersson	·
all-III a)	СВ	US-6,068,482	05-30-2000	Snow	
	СС	US-6,099,314	08-08-2000	Kopelman et al.	
	CD	US-6,123,544	09-26-2000	Cleary	
	CE	US-6,152,731	11-28-2000	Jordan et al.	
	CF	US-6,183,248	02-06-2001	Chisti et al.	The state of the s
	CG	US-6,190,165	02-20-2001	Andreiko et al.	
	СН	US-6,217,325	04-17-2001	Chisti et al.	
tedellika keli	CI	US-6,309,215	10-30-2001	Phan et al.	
	Сĵ	US-6,322,359	11-27-2001	Jordan et al.	
	CK	US-6,382,975	05-07-2002	Poirier	
	CL	US-6,398,548	06-04-2002	Muhammad et al.	
	CM	US-6,402,707	06-11-2002	Ernst	
	CN	US-6,482,298	11-19-2002	Bhatnagar	
	CO	US-6,524,101	02-25-2003	Phan et al.	
	СР	US-6,554,611	04-29-2003	Chishti et al.	
	CQ	US-6,572,372	06-03-2003	Phan et al.	
	CR	US-6,629,840	10-07-2003	Chishti et al.	

Examiner	Date	
Signature	Considered	
		į

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. 61027370 v1

Substitute for form 1449A/PTO			Complete if Known		
			Application Number	10/670,162	
IN	FORMATION DIS	CLOSURE	Filing Date	September 23, 2003	
STATEMENT BY APPLICANT			First Named Inventor	PAVLOVSKAIA, ELENA	
			Art Unit	2123	
	(Use as many sheets as n	ecessary)	Examiner Name	Ayal I. Sharon	
Sheet	3	of 7	Attorney Docket Number	018563-004620US	

	U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
	<u> </u>	Number Kind Code ^{2 (Fknown)}			Figures Appear			
	CS	US-6,705,863	03-16-2004	Phan et al.				
	CT	US-6,722,880	04-20-2004	Chishti et al.				
	CU	2002/0006597	01-17-2002	Andreiko et al.				
	CV	2003/0224311	12-04-2003	Cronauer				
	CW	2003/0009252 A1	01-09-2003	Pavlovskaia et al.				
	CX	2003/0139834 A1	07-24-2003	Nikolskiy et al.				
	CY	2004/0128010 A1	07-01-2004	Pavlovskala et al.				
	CZ	2005/0055118 A1	03-10-2005	Nikolskiy et al.				
	DA	RE 35169	03-05-1996	Lemchen et al.				

				FOREIGN	PATENT DOCL	IMENTS		
	Cite No.1	Foreign Patent Document			Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages	
	140.	Country Code ³	Number⁴	Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	or Relevant Figures Appear	T ⁶
	DB	AU	517102		07-09-1981	Hito Suyehiro		
	DC	AU	3031677		05-10-1979	Hito Suyehiro		
	DD	AU	5598894		06-08-1994	Ormco Corp.		
	DE	CA	1121955		04-20-1982	Suyehiro Hito		
	DF	DE	2749802		05-11-1978	Suyehiro Hito		
	DG	DE	69327661	- Harriston Alexander Alexander	07-20-2000	Ormco Corp.		
	DH	EP	0667753		08-23-1995	Ormco Corp.		
	DI	ES	463897		01-01-1980	Hito Suyehiro	41141	
Pillele lidilidikeldi	DJ	GB	1550777		08-22-1979	Hito Suyehiro		
	DK	JР	04-028359		01-30-1992	Mitsubishi Petrochemical Co.		
	DL	JP	53-058191		05-25-1978	Yoshii		
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	DM	JP	08-508174		09-03-1996	Ormco Corp		
								<u> </u>
	ensense-mun	j				411111 14411 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111 11111	- ПИСПО ПППК ПТ МОЧИР 77АП КОНИКО МА ПОВИТАНИ ВИПЕРАКИЯ ВИП	···
						···· AA 07 25 UUU ONUUR (UUU N A ONKO 1102-25 UUU OKAAN (UUU AA) -		
	····-····							ļ

Examiner	Date	
Signature	Considered	
Olghaidic	Considered	

Substitute	for form 1449B/PTO			Complete if Known		
				Application Number	10/670,162	
INFO	RMATION DIS	CLOS	SURE	Filing Date	September 23, 2003	
STA	STATEMENT BY APPLICANT			First Named Inventor	PAVLOVSKAIA, ELENA	
				Art Unit	2123	
	(Use as many sheets as n	ecessary)		Examiner Name	Ayal I. Sharon	
Sheet	4	of	7	Attorney Docket Number	018563-004620US	

	NON PATENT LITERATURE DOCUMENTS								
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the a magazine, journal, serial, symposium, catalog, etc.), date, pagand/or country where put	e(s), volume-iss	propriate), title of the item (book, sue number(s), publisher, city	T 2				
	DN	ALCANIZ, et al., "An Advanced System for the Simulation and Planning of Orthodontic Treatments," Karl Heinz Hohne and Ron Kikinis (eds.), Visualization in Biomedical Computing, 4th Int'l. Conf., VBC '96, Hamburg, Germany, September 22-25, 1996, Springer-Verlag, pp. 511-520.							
	DO	"Important Tip About Wearing the Red White & Blue Ac Orthodontic Appliances-Pro Lab, 1 page.	ctive Clear Re	etainer System," Allesee					
	DP	"The Choice Is Clear: Red, White & Blue The Simple, Affordable, No-Braces Treatment," Allesee Orthodontic Appliances-Pro Lab product information for doctors, http://ormco.com/aoa/appliancesservices/RWB/doctor.html , 5 pages (May 19, 2003).							
***************************************	DQ	"The Choice is Clear: Red, White & Blue The Simple, Affordable, No-Braces Treatment," Allesee Orthodontic Appliances-Pro Lab product information for patients, http://ormco.com/aoa/appliancesservices/RWB/patients.html , 2 pages (May 19, 2003).							
***************************************	DR	"The Choice is Clear: Red, White & Blue The Simple, Affordable, No-Braces Treatment," Allesee Orthodontic Appliances-Pro Lab product information, 6 pages (2003).							
	DS	"The Red, White & Blue Way to Improve Your Smile!" Allesee Orthodontic Appliances-Pro Lab product information for patients, 2 pages.							
	DT	"You May Be A Candidate For This Invisible No-Braces Appliances-Pro Lab product information for patients, 2		Allesee Orthodontic					
	DU	ANDREWS, The Six Keys to Optimal Occlusion Straigh	nt Wire, Chap	iter 3, pp 13-24.					
***************************************	DV	BARTELS, et al., An Introduction to Splines for Use in Computer Graphics and Geometric Modeling, Morgan Kaufmann Publishers, pp. 422-425 (1987).							
	DW	DW BIOSTAR OPEATION & TRAINING MANUAL. Great Lakes Orthodontics, Ltd. 199 Fire Tower Drive, Tonawanda, New York. 14150-5890. 20 pages total							
	DX	BLU, et al., "Linear interpolation revitalized", IEEE Trans. Image Proc., 13(5):710-719 (May 2004).							
Examiner Signature			Date Considered						

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO				Complete if Known		
				Application Number	10/670,162	
INFO	RMATION	DISCLOS	SURE	Filing Date	September 23, 2003	
STATEMENT BY APPLICANT			CANT	First Named Inventor	PAVLOVSKAIA, ELENA	
				Art Unit	2123	
(Use as many sheets as necessary)				Examiner Name	Ayal I. Sharon	
Sheet	5	of	7	Attomey Docket Number	018563-004620US	

initials No. No. Page 1. Symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. DY BOYD et al., "Three Dimensional Diagnosis and Orthodontic Treatment of Complex Malocclusions With the Invisalign Appliance," Semin. Orthod., 7(4):274-293 (December 2001). DZ BURSTONE (Interview), "Dr. Charles J. Burstone on The Uses of the Computer in Orthodontic Practice (Part 1)," J. Clin. Orthod., 13(7):442-453 (July 1979). EA Cardinal Industrial Finishes, Powder Coatings information posted at http://www.cardinalpaint.com on Aug. 25, 2000, 2 pages. EB DENT-X posted on 09/24/98 at http://www.cardinalpaint.com on Aug. 25, 2000, 2 pages. EC DuraClear product information, Allesee Orthodontic Appliances-Pro Lab, 1 page. ED [English translation of Japanese Laid-Open Publication No. 63-11148 to inventor T. Ozukuri (Laid-Open on January 18, 1998) pp. 1-7. EE GOTTLEIB et al., "JCO Interviews Dr. James A. McNamura, Jr., on the Frankel Appliance: Part 2: Clinical Management, "J. Clin. Orthod., 16(6):390-407 (June 1982). EF HIGHBEAM RESEARCH, "Simulating Stress Put on Jaw," Tooling & Production [online], November 1996, pp. 1-2, retrieved from the Internet on 11/05/2004, URL http://static.highbeam.com//toolingampproduction/november011996/simulatingstressputonja">http://static.highbeam.com//toolingampproduction/november011996/simulatingstressputonja">http://static.highbeam.com//toolingampproduction/november011996/simulatingstressputonja">http://static.highbeam.com//toolingampproduction/november011996/simulatingstressputonja">http://static.highbeam.com//toolingampproduction/november011996/simulatingstressputonja">http://static.highbeam.com//toolingampproduction/november011996/simulatingstressputonja">http://static.highbeam.com//toolingampproduction/november011996/simulatingstressputonja">ht	NON PATENT LITERATURE DOCUMENTS						
DY Malocclusions With the Invisalign Appliance," Semin. Orthod., 7(4):274-293 (December 2001). DZ BURSTONE (interview), "Dr. Charles J. Burstone on The Uses of the Computer in Orthodontic Practice (Part 1)," J. Clin. Orthod., 13(7):442-453 (July 1979). EA Cardinal Industrial Finishes, Powder Coatings information posted at http://www.cardinalpaint.com on Aug. 25, 2000, 2 pages. EB DENT-X posted on 09/24/98 at http://www.dent-x.com/DentSim.htm , 6 pages. EC DuraClear TM product information, Allesee Orthodontic Appliances-Pro Lab, 1 page. ED (Laid-Open on January 18, 1998) pp. 1-7. ED GOTTLEIB et al., "JCO Interviews Dr. James A. McNamura, Jr., on the Frankel Appliance: Part 2: Clinical Management, "J. Clin. Orthod., 16(6):390-407 (June 1982). EF HIGHBEAM RESEARCH, "Simulating Stress Put on Jaw," Tooling & Production [online], November 1996, pp. 1-2, retrieved from the Internet on 11/05/2004, URL http://static.highbeam.com/t/toolingampproduction/november011996/simulatingstressputonja	Initials * Na. 1 magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city		magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city	T²			
Practice (Part 1)," <i>J. Clin. Orthod.</i> , 13(7):442-453 (July 1979). EA Cardinal Industrial Finishes, Powder Coatings information posted at http://www.cardinalpaint.com on Aug. 25, 2000, 2 pages. EB DENT-X posted on 09/24/98 at httm , 6 pages. EC DuraClear TM product information, Allesee Orthodontic Appliances-Pro Lab, 1 page. ED English translation of Japanese Laid-Open Publication No. 63-11148 to inventor T. Ozukuri (Laid-Open on January 18, 1998) pp. 1-7. EB GOTTLEIB et al., "JCO Interviews Dr. James A. McNamura, Jr., on the Frankel Appliance: Part 2: Clinical Management, "J. Clin. Orthod., 16(6):390-407 (June 1982). HIGHBEAM RESEARCH, "Simulating Stress Put on Jaw," Tooling & Production [online], November 1996, pp. 1-2, retrieved from the Internet on 11/05/2004, URL http://static.highbeam.com/t/toolingampproduction/november011996/simulatingstressputonja > HIKAGE, "Integrated Orthodontic Management System for Virtual Three-Dimensional Computer Graphic Simulation and Optical Video Image Database for Diagnosis and Treatment Planning", Journal of Japan Orthodontic Society, February 1987, English translation, pp. 1-38,		DY					
EA http://www.cardinalpaint.com on Aug. 25, 2000, 2 pages. EB DENT-X posted on 09/24/98 at http://www.dent-x.com/DentSim.htm , 6 pages. EC DuraClear product information, Allesee Orthodontic Appliances-Pro Lab, 1 page. English translation of Japanese Laid-Open Publication No. 63-11148 to inventor T. Ozukuri (Laid-Open on January 18, 1998) pp. 1-7. EE GOTTLEIB et al., "JCO Interviews Dr. James A. McNamura, Jr., on the Frankel Appliance: Part 2: Clinical Management, "J. Clin. Orthod., 16(6):390-407 (June 1982). HIGHBEAM RESEARCH, "Simulating Stress Put on Jaw," Tooling & Production [online], November 1996, pp. 1-2, retrieved from the Internet on 11/05/2004, URL http://static.highbeam.com/t/toolingampproduction/november011996/simulatingstressputonja >. HIKAGE, "Integrated Orthodontic Management System for Virtual Three-Dimensional Computer Graphic Simulation and Optical Video Image Database for Diagnosis and Treatment Planning", Journal of Japan Orthodontic Society, February 1987, English translation, pp. 1-38,		DZ					
EC DuraClear [™] product information, Allesee Orthodontic Appliances-Pro Lab, 1 page. English translation of Japanese Laid-Open Publication No. 63-11148 to inventor T. Ozukuri (Laid-Open on January 18, 1998) pp. 1-7. EB GOTTLEIB et al., "JCO Interviews Dr. James A. McNamura, Jr., on the Frankel Appliance: Part 2: Clinical Management, "J. Clin. Orthod., 16(6):390-407 (June 1982). EF HIGHBEAM RESEARCH, "Simulating Stress Put on Jaw," Tooling & Production [online], November 1996, pp. 1-2, retrieved from the Internet on 11/05/2004, URL http://static.highbeam.com/t/toolingampproduction/november011996/simulatingstressputonja >. EG HIKAGE, "Integrated Orthodontic Management System for Virtual Three-Dimensional Computer Graphic Simulation and Optical Video Image Database for Diagnosis and Treatment Planning", Journal of Japan Orthodontic Society, February 1987, English translation, pp. 1-38,		EA					
English translation of Japanese Laid-Open Publication No. 63-11148 to inventor T. Ozukuri (Laid-Open on January 18, 1998) pp. 1-7. EE GOTTLEIB et al., "JCO Interviews Dr. James A. McNamura, Jr., on the Frankel Appliance: Part 2: Clinical Management, "J. Clin. Orthod., 16(6):390-407 (June 1982). HIGHBEAM RESEARCH, "Simulating Stress Put on Jaw," Tooling & Production [online], November 1996, pp. 1-2, retrieved from the Internet on 11/05/2004, URL http://static.highbeam.com/t/toolingampproduction/november011996/simulatingstressputonja EG HIKAGE, "Integrated Orthodontic Management System for Virtual Three-Dimensional Computer Graphic Simulation and Optical Video Image Database for Diagnosis and Treatment Planning", Journal of Japan Orthodontic Society, February 1987, English translation, pp. 1-38,		EB	DENT-X posted on 09/24/98 at < http://www.dent-x.com/DentSim.htm>, 6 pages.				
ED (Laid-Open on January 18, 1998) pp. 1-7. EE GOTTLEIB et al., "JCO Interviews Dr. James A. McNamura, Jr., on the Frankel Appliance: Part 2: Clinical Management, "J. Clin. Orthod., 16(6):390-407 (June 1982). HIGHBEAM RESEARCH, "Simulating Stress Put on Jaw," Tooling & Production [online], November 1996, pp. 1-2, retrieved from the Internet on 11/05/2004, URL http://static.highbeam.com/t/toolingampproduction/november011996/simulatingstressputonja HIKAGE, "Integrated Orthodontic Management System for Virtual Three-Dimensional Computer Graphic Simulation and Optical Video Image Database for Diagnosis and Treatment Planning", Journal of Japan Orthodontic Society, February 1987, English translation, pp. 1-38,		EC	DuraClear [™] product information, Allesee Orthodontic Appliances-Pro Lab, 1 page.				
EE 2: Clinical Management, "J. Clin. Orthod., 16(6):390-407 (June 1982). HIGHBEAM RESEARCH, "Simulating Stress Put on Jaw," Tooling & Production [online], November 1996, pp. 1-2, retrieved from the Internet on 11/05/2004, URL http://static.highbeam.com/t/toolingampproduction/november011996/simulatingstressputonja HIKAGE, "Integrated Orthodontic Management System for Virtual Three-Dimensional Computer Graphic Simulation and Optical Video Image Database for Diagnosis and Treatment Planning", Journal of Japan Orthodontic Society, February 1987, English translation, pp. 1-38,		ED					
EF November 1996, pp. 1-2, retrieved from the Internet on 11/05/2004, URL http://static.highbeam.com/t/toolingampproduction/november011996/simulatingstressputonja HIKAGE, "Integrated Orthodontic Management System for Virtual Three-Dimensional Computer Graphic Simulation and Optical Video Image Database for Diagnosis and Treatment Planning", Journal of Japan Orthodontic Society, February 1987, English translation, pp. 1-38,		EE					
Computer Graphic Simulation and Optical Video Image Database for Diagnosis and Treatment Planning", <i>Journal of Japan Orthodontic Society</i> , February 1987, English translation, pp. 1-38,		EF	November 1996, pp. 1-2, retrieved from the Internet on 11/05/2004, URL http://static.highbeam.com/t/toolingampproduction/november011996/simulatingstressputonja				
Dapanese Version, 40(2), pp. 240-205 (00 pages total).		EG	Computer Graphic Simulation and Optical Video Image Database for Diagnosis and Treatment,				
KOCHANEK, "Interpolating Splines with Local Tension, Continuity and Bias Control," Computer Graphics, 18(3):33-41 (July 1984).		ЕН					

	• • • • • • • • • • • • • • • • • • • •		
Examiner Signature		Date Considered	j

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

Sı	Substitute for form 1449B/PTO				Complete if Known		
					Application Number	10/670,162	
l II	NFOF	RMATION DIS	CLOS	SURE	Filing Date	September 23, 2003	
5	STATEMENT BY APPLICANT				First Named Inventor	PAVLOVSKAIA, ELENA	
					Art Unit	2123	
	(Use as many sheets as necessary)				Examiner Name	Ayal I. Sharon	
Sh	neet	6	of	7	Attorney Docket Number 018563-004620US		

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				
	EI	KUNII et al., "Articulation Simulation for an Intelligent Dental Care System," <i>Displays</i> 15:181-188 (1994).				
••••••	EJ	MANETTI, et al., "Computer-Aided Cefalometry and New Mechanics in Orthodontics," (Article Summary in English, article in German), Fortschr. Kieferorthop. 44, 370-376 (Nr. 5), 1983.				
	EK	MCCANN, "Inside the ADA," <i>J. Amer. Dent. Assoc.</i> , 118:286-294 (March 1989).				
	EL	MOLES, "Correcting Mild Malalignments - As Easy As One, Two, Three," AOA/Pro Corner, 2 pages.				
	ЕМ	PROFFIT <i>et al., Contemporary Orthodontics,</i> (Second Ed.), Chapter 15, Mosby Inc., pp 470-533 (October 1993).				
	EN	RAINTREE ESSIX & ARS MATERIALS, INC., Raintree Essix, Technical Magazine Table of contents and Essix Appliances, https://www.essix.com/magazine/default.html Aug. 13, 1997, 7 pages.				
•••••	ЕО	RICHMOND <i>et al.</i> , "The Development of the PAR Index (Peer Assessment Rating): Reliability and Validity," <i>Eur. J. Orthod.</i> , 14:125-139 (1992).				
•••••••••••••••••••••••••••••••••••••••	EP	SCHROEDER et al., Eds. The Visual Toolkit, Prentice Hall PTR, New Jersey (1998) Chapters 6, 8 & 9, (pages 153-210,309-354, and 355-428, respectively).				
***************************************	EQ	SINCLAIR, "The Readers' Corner," <i>J. Clin. Orthod.</i> , 26(6):369-372 (June 1992).				
	ER	STURMAN, "Interactive Keyframe Animation of 3-D Articulated Models," Proceedings Graphics Interface '84, May-June 1984, pp. 35-40.				
***************************************	ES	TRUAX L., "Truax Clasp-Less(TM) Appliance System," Funct. Orthod., 9(5):22-4, 26-8 (September-October 1992).				

Examin	Date	
Signatu	Considered	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

	Substitute fo	or form 1449B/PTO			Complete if Known		
					Application Number	10/670,162	
	INFOR	RMATION DIS	CLOS	URE	Filing Date	September 23, 2003	
	STAT	EMENT BY A	PPLIC	ANT	First Named Inventor	PAVLOVSKAIA, ELENA	
					Art Unit	2123	
l .	(0	Use as many sheets as i	necessary)		Examiner Name	Ayal I. Sharon	
	Sheet	7	of	7	Attorney Docket Number	018563-004620US	

	NON PATENT LITERATURE DOCUMENTS							
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Τ2					
	ET	TRU-TAIN ORTHODONTIC & DENTAL SUPPLIES, Product Brochure, Rochester, Minnesota 55902, 16 pages total.						
	EU	WSCG'98 - Conference Program, "The Sixth International Conference in Central Europe on Computer Graphics and Visualization '98," February 9-13, 1998, pp. 1-7, retrieved from the Internet on 11/05/2004, URL http://wscg.zcu.cz/wscg98/wscg98.h .						
	EV	YOSHII, "Research on a New Orthodontic Appliance: The Dynamic Positioner (D.P.); I. The D.P. Concept and Implementation of Transparent Silicone Resin (Orthocon)," <i>Nippon Dental Review</i> , 452:61-74 (June 1980).						
	EW	YOSHII, "Research on a New Orthodontic Appliance: The Dynamic Positioner (D.P.); II. The D.P. Manufacturing Procedure and Clinical Applications," <i>Nippon Dental Review</i> , 454:107-130 (August 1980).						
	EX	YOSHII, "Research on a New Orthodontic Appliance: The Dynamic Positioner (D.P.); III The General Concept of the D.P. Method and Its Therapeutic Effect, Part 2. Skeletal Reversed Occlusion Case Reports," <i>Nippon Dental Review</i> , 458:112-129 (December 1980).						
	EY	YOSHII, "Research on a New Orthodontic Appliance: The Dynamic Positioner (D.P.); III. The General Concept of the D.P. Method and Its Therapeutic Effect, Part 1, Dental and Functional Reversed Occlusion Case Reports," <i>Nippon Dental Review</i> , 457:146-164 (November 1980).						

	 	,
Examiner Signature	Date Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.